



Sheet 1 of 4

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET NO. 7175-73257	SERIAL No. 10/633,823
			APPLICANT Richard H. Heimbrock, et al.	
			FILING DATE August 4, 2003	GROUP Unknown

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
R.J.	AA	239,664 A	Apr. 5, 1881	Nash	297	19	
	AB	299,670 A	Jun. 3, 1884	Nash	297	19	
	AC	354,579 A	Dec. 21, 1886	Pfeiffer	5	626	
	AD	694,353 A	Mar. 4, 1902	Clifton	5	116	
	AE	984,374 A	Feb. 14, 1911	Jardin	5	154	
	AF	1,344,088 A	Jun. 22, 1920	Lundbom	5	626	
	AG	1,884,552 A	Oct. 25, 1932	Bradley	5	100	
	AH	1,900,478 A	Mar. 1933	Zimmermann	5	100	
	AI	1,907,298	May, 1933	Kroll	5	100	
	AJ	2,478,028 A	Aug. 1949	Travis	5	100	
	AL	2,799,869	Jul. 1957	Leone, et al.	5	430	
	AM	2,871,490 A	Feb. 1959	Balonick	5	430	
	AN	2,976,548	Mar. 1961	Maertins	5	430	
R.S.	AL	3,012,253	Jan. 13, 1960	Hamilton	5	100	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes      No
R.S.	AM	CA 1031505	May 1978	Canada	—	—	
R.S.	AN	DE 1954076	May 1971	Germany	5	100	
R.S.	AO	DE 3510707	Oct. 1986	Germany	5	425	
R.S.	AP	GB 430276	Jun. 1935	Great Britain	—	—	
R.S.	AR	GB 637951	May 1950	Great Britain	5	100	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS
	AT
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Examiner

Date Considered

February 8, 2004

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Sheet 2 of 4

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		7175-73257	10/633,823
		APPLICANT Richard H. Heimbrock, et al.	
FILING DATE August 4, 2003	GROUP Unknown		

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>RS</i>	BA	3,063,066 A	Nov. 13, 1962	Peck, et al.	5	429	
	BB	3,345,653 A	Oct. 10, 1967	Mixon	5	97	
	BC	3,351,961	Nov. 1967	Daniels, et al.	5	430	
	BD	3,419,922 A	Jan. 1969	Malherbe	5	430	
	BE	3,641,598 A	Feb. 1972	Feldstein	5	100	
	BF	3,763,507 A	Oct. 9, 1973	Propst	5	100	
	BG	3,896,514 A	Jul. 1975	Feldstein	5	100	
	BH	3,921,233 A	Nov. 25, 1975	Mann	5	97	
	BI	3,930,273 A	Jan. 1976	Stern	5	430	
	BJ	4,215,446 A	Aug. 1980	Mahoney	5	425	
	BK	4,226,452 A	Oct. 1980	Hoffman, et al.	5	100X	
<i>RS</i>	BL	4,439,880 A	Apr. 1984	Koncelik, et al.	5	425X	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
<i>RS</i>	BM	GB 1094692	Dec. 1967	Great Britain	—	—	
<i>RS</i>	BN	WO 98/58570	Dec. 1998	WO	—	—	
BO							
BP							
BR							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	BS
	BT
	BU
	BV
	BW
	BX
	BY
	BZ

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Date Considered

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RJ	CA	4,530,528 A	Jul. 1985	Shamie	5	100X	
	CB	4,653,129 A	Mar. 1987	Kuck, et al.	5	420	
	CC	4,706,312 A	Nov. 1987	Shamie	5	100X	
	CD	4,752,977 A	Jun. 1988	Smith, et al.	5	92,1	
	CE	4,827,545 A	May 1989	Arp	5	421	
	CF	5,044,025 A	Sept. 1991	Hunsinger, et al.	5	424	
	CG	5,068,935 A	Dec. 1991	Hagopian	5	425X	
	CH	5,097,550 A	Mar. 1992	Marra, Jr.	5	424	
	CI	5,146,632 A	Sept. 1992	LI	5	100	
	CJ	5,175,897 A	Jan. 1993	Marra, Jr.	5	425	
RJ	CK	5,191,663 A	Mar. 1993	Holder, et al.	5	424	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	CL						
	CM						
	CN						
	CO						
	CP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	CR
	CS
	CT
	CU
	CV
	CW
	CX
	CY
	CZ

Examiner

*Robert B. Santos*

Date Considered

*February 8, 2004*

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			FILING DATE August 4, 2003	GROUP Unknown

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RJ	DA	5,317,770 A	Jun. 7, 1994	Sakurai	5	625	
	DB	5,511,257 A	Apr. 30, 1996	Hannes	5	100	
	DC	5,745,936 A	May 1998	Van McCutchen, et al.	5	425X	
	DD	5,802,634 A	Sep. 8, 1998	Onishi, et al.	5	93,2	
	DE	5,806,111 A	Sep. 1998	Heimbrock, et al.	5	86,1	
	DF	5,878,452 A	Mar. 1999	Brooke, et al.	5	428	
	DG	5,898,964 A	May 1999	Stanley	5	425X	
	DH	6,185,767 B1	Feb. 2001	Brooke, et al.	5	425X	
	DI	6,446,283 B1	Sep. 2002	Heimbrock, et al.	5	425	
RS	DJ	2003/0019035 A1	Jan. 2003	Heimbrock, et al.	5	428	
	DK						

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
DL							
DM							
DN							
DO							
DP							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	DR
	DS
	DT
	DU
	DV
	DW
	DX
	DY
	DZ

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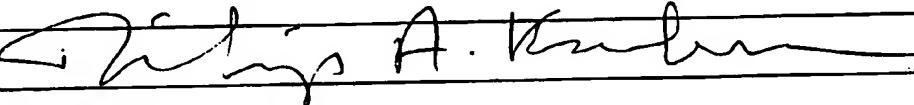
7

Application Number	10/633,823
Filing Date	August 4, 2003
First Named Inventor	Richard H. Heimbrock, et al.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	7175-73257

## ENCLOSURES (check all that apply)

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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Dilip A. Kulkarni	
Signature		
Date	October 22, 2003	

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